

Receipt date: 06/28/2004

10802919 - GAU: 1654

IPW

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of

Evan C. Unger, et al.

U.S. Serial No. 10/802,919

Filed: March 18, 2004

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Group Art Unit: 1616

Examiner: TBA

Atty. Dkt. No. 006086.00020

For: **METHODS FOR DELIVERING COMPOUNDS INTO A CELL**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O.B. 1450
Alexandria, VA 22313-1450

Sir:

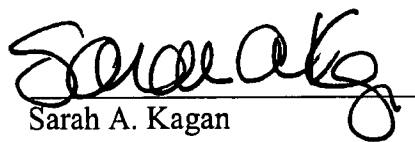
In accordance with 37 C.F.R. §§ 1.97 and 1.98, enclosed is Form PTO/SB/08a listing documents for consideration by the Examiner during the prosecution of the subject application. All cited art was previously disclosed or cited in parent application Serial No. 08,841,169 filed April 29, 1997. Copies of the cited art are available in the parent application.

It is believed that no fee or certification is required. However, if a fee is required, please charge our deposit account no. 19-0733.

Respectfully submitted,

Dated: June 28, 2004

By:


Sarah A. Kagan
Reg. No. 32,141

Banner & Witcoff, Ltd.
Customer No. 22907

Receipt date: 06/28/2004

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Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 71

Complete if Known

Application Number	TBA -10/802,919
Filing Date	TBA -3/18/04
First Named Inventor	Evan C. Unger, et al
Art Unit	TBA -1654
Examiner Name	TBA -Young
Attorney Docket Number	006086.00020

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
/MA/		US-5,846,517	12/08/1997	Unger, et al.	
		US- 5,705,187	01/06/1998	Unger	
		US- 5,773,024	06/30/1998	Unger, et al.	
		US- 5,770,222	06/23/1998	Unger, et al.	
		US- 5,830,430	11/03/1998	Unger, et al.	
		US- 5,997,898	12/07/1999	Unger	
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		US- 6,088,613	07/11/2000	Unger	
		US- 6,123,923	09/26/2000	Unger, et al.	
		US- 6,139,819	10/31/2000	Unger, et al.	
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/MA/		US- 6,414,439	07/02/2002	Unger, et al.	
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner
Signature

/Maury Audet/

Date
Considered

6/27/08

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MA/

Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.

006086.00020

Serial No.

TBA

Applicant

Evan C. Unger et al

Filing Date

TBA

Group

TBA

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
/MA/	AA	4,621,023	11/4/86	Redziniak, et al.	428	402.2
↓	AB	5,194,188	03/16/93	Gutierrez	264	4.1
↓	AC	5,283,255	02/01/94	Levy, et al.	514	410
↓	AD	5,380,411	01/10/95	Schlieff	204	157.15
↓	AE	6,068,857	05/30/00	Weitschies, et al.	424	489
↓	AF	6,159,445	12/12/00	Klaveness, et al.	424	9.6
↓	AG	US 6,261,537 B1	07/17/01	Klaveness, et al.	424	9.52
/MA/	AH	US 6,331,289 B1	12/18/01	Klaveness, et al.	424	9.52

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Examiner Initial		Document No.	Date	Country	Translation YES NO	
EXAMINER /Maury Audet/				DATE CONSIDERED 6/27/08		

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. 006086.00020		Serial No. TBA	
				Applicant Evan C. Unger, et al			
				Filing Date TBA		Group TBA	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
/MA/	563	WO 91/18612	12/12/91	PCT			
/MA/	564	WO 95/32006	11/30/95	PCT			
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Examiner Initial		Document No.	Date	Name	Class	Subclass	
/MA/	AA	4,466,442	08/21/84	Hilman et al.	128	653	
	AB	4,621,023	11/04/86	Redziniak et al.	428	402.2	
	AC	4,919,895	04/24/90	Heldebrant et al.	422	129	
	AD	5,194,188	03/16/93	Gutierrez	264	4.1	
	AE	5,380,411	01/10/95	Schlieff	204	157.15	
	AF	5,512,268	04/30/96	Grinstaff et al.	424	9.322	
	AG	5,567,415	10/22/96	Porter	424	9.52	
	AH	5,846,517	12/08/98	Unger	424	9.52	
	AI	5,849,727	12/15/98	Porter et al.	514	156	
	AJ	5,997,898	12/07/99	Unger	424	450	
	AK	6,056,938	05/02/00	Unger et al.	424	1.21	
/MA/	AL	6,068,857	05/30/00	Weitschies et al.	424	489	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation		
					YES	NO	
/MA/	AM	0 633 030 A1	01/11/95	EP			
/MA/	AN	92/05806	04/16/92	WIPO			
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		TBA	TBA
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
/MA/	AO	Nomura et al., "US Contrast Enhancement of Hepatic Tumor with Helium Gas Microbubbles: A Preliminary Report," <i>Jpn. J. Med. Ultrasonics</i> , Vol. 18, No. 5 (1991) (full English language translation provided)	
	AP	Porter, et al., "Multifold Sonicated Dilutions of Albumin with Fifty Percent Dextrose Improve Left Ventricular Contrast Videointensity After Intravenous Injection in Human Beings," <i>Journal of the American Society of Echocardiography</i> , Vol. 7, No. 5, pp. 465-471, September-October 1994	
	AQ	Porter, et al., "Noninvasive Identification of Acute Myocardial Ischemia and Reperfusion With Contrast Ultrasound Using Intravenous Perfluoropropane-Exposed Sonicated Dextrose Albumin," <i>Journal of the American College of Cardiology</i> , Vol. 26, No. 1, pp. 33-40; 1995	
	AR	Porter, et al., "Visually Discernible Myocardial Echocardiographic Contrast After Intravenous Injection of Sonicated Dextrose Albumin Microbubbles Containing High Molecular Weight, Less Soluble Gases," <i>Journal of the American College of Cardiology</i> , Vol. 25, No. 2, pp. 509-515, February 1995	
	AS	Srinivasan, et al., "Characterization of Binding Sites, Extent of Binding, and Drug Interactions of Oligonucleotides with Albumin," <i>Antisense Research and Development</i> , Vol. 5, pp. 131-139, 1995	
/MA/	AT	Xie, et al., "Acute Myocardial Ischemia and Reperfusion can be Visually Identified Non-invasively with Intravenous Perfluoropropane-Enhanced Sonicated Dextrose Albumin Ultrasound Contrast," <i>Circulation</i> , Vol. 90, No. 4, Part 2, Abstract 2989, October 1994	
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	AK	6,056,938	05/02/00	Unger et al.	424	1.21	
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/MA/	AM	0 633 030 A1	01/11/95	EP			
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/MA/	AO	Nomura et al., "US Contrast Enhancement of Hepatic Tumor with Helium Gas Microbubbles: A Preliminary Report," <i>Jpn. J. Med. Ultrasonics</i> , Vol. 18, No. 5 (1991) (full English language translation provided)	
↓	AP	Porter, et al., "Multifold Sonicated Dilutions of Albumin with Fifty Percent Dextrose Improve Left Ventricular Contrast Videointensity After Intravenous Injection in Human Beings," <i>Journal of the American Society of Echocardiography</i> , Vol. 7, No. 5, pp. 465-471, September-October 1994	
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U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
/MA/	AA	195 41 679 A1	05/15/97	Germany	Abstract		
/MA/	AB	WO 93/19768	10/14/93	PCT			
EXAMINER /Maury Audet/				DATE CONSIDERED 6/27/08			

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. 006086.00020	Serial No. TBA
		Applicant Evan C. Unger et al.,	
		Filing Date TBA	Group TBA
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
/MA/	AA	Frezard, F. et al., "Fluorinated phosphatidylcholine-based liposomes: H ⁺ /Na ⁺ permeability, active doxorubican encapsulation and stbility in human serum" <i>Biochim et Biophys Acta</i> , 1994, Vol 1194 (1), pp 61-68	
↓	AB	Gross, U. et al., "Phosholipid vesiculated fluorocarbons promising trend in blood substitutes" <i>Biomat., Art. Cells & Immob. Biotech.</i> , 1992, Vol 20, (2-4) pp 831-833	
↓	AC	Riess, Jean G., "Fluorine in our arteries", <i>New J. Chem.</i> , 1995, Vol 19 (8-9), pp 891-909 (English Abstract)	
↓	AD	Riess, Jean G., "Introducing a new element fluorine-into the liposomal membrane" <i>Journal of Liposome Research</i> , 1995, Vol 5 (3) pp-413-430	
↓	AE	Santaella, C. et al., "Extended in vivo blood circulation time of fluorinated liposomes" <i>FEBS Letters</i> , 1993, Vol 336(3), pp481-484	
↓	AF	Trevino, L, et al., "Incorporation of a perfluroalkylalkane (rfrh) into the phospholipid bilayer of dmpe liposomes results in greater encapsulation stability", <i>Journal of Liposome Research.</i> , 1994, Vol 4 (2) pp 1017-1028	
/MA/	AG	Zarif L. et al., "Biodistribution and excretion of a mixed fluorocarbon-hydrocarbon "dowel" emulsion as determined by 19-F NMR", <i>Artificial Cells, Blood Substitutes, and Immobilization Biotechnology</i> , 1994, Vol 22,(4) pp 1193-1198	
EXAMINER /Maury Audet/		DATE CONSIDERED 6/27/08	

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		Applicant Unger <i>et al.</i>	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
/MA/	AA	Trevedi and Dickson (1995) "Liposome-mediated gene transfer into normal and dystrophin-deficient mouse myoblasts" <i>J. Neurochem</i> 64(5):2230-8 (Abstract only)	
↓	AB	Watson, A.J. (1995) "Review article: manipulation of cell death--the development of novel strategies for the treatment of gastrointestinal disease" <i>Aliment. Pharmacol. Ther.</i> 9(3):215-26 (Abstract only)	
↓	AC	Yla-Herttuala (1996) "Gene therapy for cardiovascular diseases" <i>Ann. Med.</i> 28(2):89-93 (Abstract only)	
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/MA/	AA	Porter, T. R., et al., "Thrombolytic Enhancement with Perfluorocarbon-exposed Sonicated Dextrose Albumin Microbubbles", <i>American Heart Journal</i> , November 1996 , Vol. 132, No. 5, pp. 964-968	
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Examiner Initial		Document No.	Date	Name	Class	Subclass	
/MA/	AB	4,485,193	11/27/84	Rubens et al.	521	58	
/MA/	AC	5,639,473	06/17/97	Grinstaff et al.	424	450	
/MA/	AD	5,648,098	07/15/97	Porter	424	490	
FOREIGN PATENT DOCUMENTS							
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U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
/MA/	AE	5,695,460	12/09/97	Siegel, et al.	604	21
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation YES NO	
/MA/	AF	0 901 793 A1	03/17/99	EPO		
/MA/	AG	WO 96/40285	12/19/96	PCT		
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↓	AB	Meessen, H. (ed.), <i>Microcirculation</i> , Springer-Verlag, Berlin Heidelberg, New York, 1997, 44	
↓	AC	Ring, J., et al., "Humanalbuminunverträglichkeit: klinische und immunologische untersuchungen," <i>Clinical Weekly</i> , 1974, 52, 595-598 (Abstract-English)	
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↓	AE	Silbernagl, S., et al., "Pocket atlas of physiology," <i>Georg Thieme Verlag</i> , Stuttgart, New York, 1983, 156-157	
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/MA/	AA	5,460,900	10/24/95	Walters	424	9.6	
↓	AB	5,701,899	12/30/97	Porter	428	662.02	
↓	AC	5,897,851	04/27/99	Quay et al.	424	9.52	
/MA/	AD	5,976,501	11/02/99	Jablonski	424	9.52	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
/MA/	AA	Ding, X.C., et al., "Scavenging effect of EDTA-fluorocarbon microspheres on ²¹⁰ lead," <i>Chung Kuo Yao Li Hsueh Pao</i> 1989, 10(5):473-475. (Abstract)	
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/MA/	AE	Zarif, L. et al., "Synergistic Stabilization of Perfluorocarbon-Pluronic F-68 Emulsion by Perfluoroalkylated Polyhydroxylated Surfactants," <i>JAOCS</i> , 1989 , 66(10), 1515-1523	
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/MA/	AF	5,190,766	03/02/93	Ishihara	424	489
	AG	5,508,021	04/16/96	Grinstaff et al.	424	9.322
	AH	5,562,608	10/08/96	Sekins et al.	604	20
	AI	5,565,215	10/15/96	Gref et al.	424	501
	AJ	5,648,095	07/15/97	Illum et al.	424	489
	AK	5,707,352	01/13/98	Sekins et al.	604	56
↓	AL	5,736,121	04/07/98	Unger	424	9.4
/MA/	AM	5,874,062	02/23/99	Unger	424	9.4

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/MA/	AN	WO 91/03267	03/21/91	PCT	X	
/MA/	AO	WO 94/21301	09/29/94	PCT	X	
/MA/	AP	WO 95/03835	02/09/95	PCT	X	
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	AD	Tuncay, O. et al., "Expression of Genes Associated with Tissue Remodeling Upon Ultrasound Perturbation in the Gingival Fibroblast", <i>J. Dental Res.</i> , 1996 , 14, 143, Abstract No. 1007	
	AE	Wang, S-J. et al., "Low Intensity Ultrasound Treatment Increases Strength in a Rat Femoral Fracture Model", <i>J. Orthopaedic Res.</i> , 1994 , 12, 40-47	
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↓	AG	Young, S.R. et al., "The Effect of Therapeutic Ultrasound on Angiogenesis", <i>Ultrasound in Med. & Biol.</i> , 1990 , 16(3), 261-269	
/MA/	AH	Young, S.R. et al., "Effect of therapeutic ultrasound on the healing of full-thickness excised skin lesions", <i>Ultrasonics</i> , 1990 , 28(3), 175-180	
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↓	AJ	5,556,372	09/17/96	Talish et al.	601	2	
↓	AK	5,571,797	11/05/96	Ohno et al.	514	44	
/MA/	AL	5,612,318	03/18/97	Weichselbaum et al.	514	44	
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/MA/	AA	5,569,448	10/29/96	Wong et al.	424	9.45	
/MA/	AB	5,804,162	09/08/98	Kabalnov et al.	424	9.51	
/MA/	AC	4,919,895	04/24/90	Heldebrant et al.	422	129	
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/MA/	AD	WO 96/40281	12/19/96	PCT	X		
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/MA/	AA	5,612,057	03/18/97	Lanza et al.	424	450	
/MA/	AB	5,858,399	01/12/99	Lanza et al.	424	450	
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/MA/	AC	5,740,807	04/21/98	Porter	128	662.02	
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/MA/	AD	EP 0 052 575	05/26/82	EPO	X		
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/MA/	AB	Takeuchi, M., et al., "Enhanced visualization of intravascular thrombus with the use of a thrombus targeting ultrasound contrast agent (MRX408): Evidence from in vivo experimental echocardiographic studies," <i>J. Am. College of Cardiology</i> , 1998 , 81(12), 1 page, Abstract XP-000952675	
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	AE	3,557,294	01/19/71	Dear et al.	424	342	
	AF	4,427,649	01/24/84	Dingle et al.	424	38	
	AG	4,663,161	05/05/87	Mannino et al.	424	89	
	AH	4,918,065	04/17/90	Stindl et al.	514	179	
	AI	5,008,109	04/16/91	Tin	424	422	
	AJ	5,107,842	04/28/92	Levene et al.	128	662.02	
	AK	5,196,348	03/23/93	Schweighardt et al.	436	173	
	AL	5,339,814	08/23/94	Lasker	128	653.4	
	AM	5,552,155	09/03/96	Bailey et al.	424	450	
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↓	AO	5,711,933	01/27/98	Bichon et al.	424	9.52	
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/MA/	AQ	WO 84/02909	08/02/94	PCT	X		
/MA/	AR	WO 92/15284	09/17/92	PCT	X		
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↓	AC	4,984,573	01/15/91	Leunbach	128	653	
↓	AD	5,362,477	11/08/94	Moore et al.	424	9	
↓	AE	5,485,839	01/23/96	Aida et al.	128	653.1	
↓	AF	5,339,814	08/23/94	Lasker	128	653.4	
↓	AG	5,545,396	08/13/96	Albert et al.	424	93	
↓	AH	5,593,680	01/14/97	Bara et al.	424	401	
↓	AI	5,686,102	11/11/97	Gross et al.	424	450	
↓	AJ	5,716,597	02/10/98	Lohrmann et al.	424	9.5	
/MA/	AK	5,732,707	03/31/98	Widder et al.	128	661.08	
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Examiner Initial		Document No.	Date	Country	Translation YES NO		
/MA/	AL	WO 92/22298	12/23/92	PCT	X		
↓	AM	WO 94/00110	01/06/94	PCT	X (Abstract Only)		
↓	AN	WO 94/28873	12/22/94	PCT	X		
↓	AO	WO 98/00172	01/08/98	PCT	X		
↓	AP	2 700 952	08/05/94	France	X		
↓	AQ	25 21 003	08/12/76	Germany	X		
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/MA/	AA	Reexamination of U.S. Patent No. 5,527,521, Reexam Control No. 90/004,719	
/MA/	AB	Reexamination of U.S. Patent No. 5,547,656, Reexam Control No. 90/004,720	
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	AF	5,569,449	10/29/96	Klaveness et al.	424	9.51	
	AG	5,614,169	03/25/97	Klaveness et al.	424	9.52	
	AH	5,676,928	10/14/97	Klaveness et al.	424	9.32	
	AI	5,686,060	11/11/97	Schneider et al.	424	9.52	
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
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	FD	Higuchi et al., "Characterization of Mutations in the Factor VIII Gene by Direct Sequencing of Amplified Genomic DNA", <i>Genomics</i> , 1990, 6, 65-71	
	FE	Kawabata et al., "Effect of second-harmonic superimposition in efficient induction of sonochemical effect", <i>Ultrasonics Sonochem.</i> , 1996, 3, 1-5	
	FF	Lauer et al., "Towards a New Gene Transfer System: Shock Wave-Mediated DNA Transfer", <i>J. Cell Biochem.</i> , 1994, (Supp. 18A), 226	
	FG	Maier et al., "Thymocytes Express a mRNA that is Identical to Hypothalamic Luteinizing Hormone-Releasing Hormone mRNA", <i>Cell Mol. Neurobiol.</i> , 1992, 12(5), 447-454	
	FH	Mobley et al., "Low Energy Lithotripsy with the Lithostar: Treatment Results with 19,962 Genal and ureteral Calculi", <i>J. Urol.</i> , 1993, 149, 1419-1424	
	FI	McKay, "Structure and function of the hammerhead ribozyme: An unfinished story", <i>RNA</i> , 1996, 2, 395-403	
	FJ	Mitsudomi et al., "Detection and Sequencing of p53 Gene Mutations in Bronchial Biopsy Samples in Patients with Lung Cancer", <i>Chest</i> , 1993, 104(2), 362-365	
**	FK	Rubin et al., 31st Annual Meeting of the American Society of Clinical Oncology, May 20-23, 1995, (Abstract No. 589)	
↓	FL	Thompson, "At Age 2, Gene Therapy Enters a Growth Phase", <i>Science</i> , 1992, 258, 744-746	
/MA/	FM	Trucco et al., "Rapid Detection of IDDM Susceptibility with HLA-DQ β-Alleles as Markers", <i>Diabetes</i> , 1989, 38, 1617-1622	
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Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
/MA/	FN	Tsujimoto et al., "Analysis of the structure, transcripts, and protein products of <i>bcl-2</i> , the gene involved in human follicular lymphoma", <i>Proc. Natl. Acad. Sci. USA</i> , 1986, 83, 5214-5218	
/MA/	FO	Zhang et al., "Ultrasonic Direct Gene Transfer the Establishment of High Efficiency Genetic Transformation System for Tobacco", <i>Sci. Agric. Sin.</i> , 1991, 24, 83-89 (Abstract attached)	
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U.S. Department of Commerce Patent and Trademark Office							
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
/MA/	FP	4,276,885	7/7/81	Tickner et al.	128	660	
↓	FQ	4,344,929	8/17/82	Bonsen et al.	424	15	
	FR	4,466,442	8/21/84	Hilmann et al.	128	653	
	FS	4,533,254	8/6/85	Cook et al.	366	176	
	FT	4,572,203	2/25/86	Feinstein	128	661	
	FU	4,603,044	7/29/86	Geho et al.	424	9	
	FV	4,675,310	6/23/87	Chapman et al.	514	6	
↓	FW	4,718,433	1/12/88	Feinstein	128	660	
	FX	4,728,575	3/1/88	Gamble et al.	428	402.2	
/MA/	FY	4,728,578	3/1/88	Higgins et al.	428	462	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
/MA/	FZ	US85/01161	3/14/85	PCT	X		
↓	GA	2193095A	2/3/88	Great Britain	X		
	GB	0 361 894	4/4/90	EPA	X		
	GC	WO 86/01103	2/27/86	PCT	X		
/MA/	GD	0 272 091	6/22/88	EPO	X		
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U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
/MA/	GE	4,737,323	4/12/88	Martin et al.	264	4.3
↓	GF	4,774,958	10/4/88	Feinstein	128	660.01
↓	GG	4,863,717	9/5/89	Keana	424	9
↓	GH	4,844,882	7/4/89	Widder et al.	424	9
↓	GI	4,192,859	3/11/80	Mackanness et al.	424	5
↓	GJ	4,921,706	5/1/90	Roberts et al.	424	450
↓	GK	4,790,891	12/13/88	Halliday et al.	149	2
↓	GL	4,162,282	7/24/79	Fulwyler et al.	264	9
↓	GM	4,938,947	7/3/90	Nicolau et al.	424	1.1
/MA/	GN	4,900,540	2/13/90	Ryan et al.	424	9

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
/MA/	GO	WO 91/00086	01/10/91	PCT (France)	X (abstract)	
↓	GP	WO 91/15244	10/17/91	PCT	X	
↓	GQ	0 338 971	10/25/89	EPO (Germany)	X (abstract)	
↓	GR	0 107 559	05/02/84	EPO (France)	X (abstract)	
/MA/	GS	WO 82/01642	5/27/82	PCT	X	

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Examiner Initial		Document No.	Date	Name	Class	Subclass
/MA/	GT	4,544,545	10/1/85	Ryan et al.	424	1.1
	GU	4,331,654	5/25/82	Morris	424	38
	GV	3,532,500	10/6/70	Priest et al.	96	91
	GW	4,310,506	1/12/82	Baldeschieler et al.	424	1
	GX	4,310,505	1/12/82	Baldeschieler et al.	424	1
	GY	4,586,512	5/6/86	Do-huu et al.	128	660
	GZ	4,620,546	11/4/86	Aida et al.	128	660
	HA	4,658,828	4/21/87	Dory	128	660
	HB	4,865,836	9/12/89	Long, Jr.	424	5
/MA/	HC	4,646,756	3/3/87	Watmough et al.	128	804

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Examiner Initial		Document No.	Date	Country	Translation YES	NO
/MA/	HD	WO 89/05040	6/1/89	PCT	X	
/MA/	HE	WO 86/00238	1/16/86	PCT	X	
/MA/	HF	WO 90/04943	5/17/90	PCT	X	
/MA/	HG	WO 80/02365	11/13/80	PCT	X	

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U. S. PATENT DOCUMENTS							
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/MA/	HH	4,893,624	1/16/90	Lele	128	399	
↓	HI	4,689,986	9/1/87	Carson et al.	73	19	
	HJ	4,657,756	4/14/87	Rasor et al.	424	9	
	HK	4,781,871	11/1/88	West III et al.	264	4.3	
	HL	4,957,656	9/18/90	Cerny et al.	252	311	
	HM	4,830,858	5/16/89	Payne et al.	424	450	
	HN	4,684,479	8/4/87	D'Arrigo	252	307	
	HO	5,215,680	6/1/93	D'Arrigo	252	307	
↓	HP	5,171,755	12/15/92	Kaufman	514	759	
	/MA/	HQ	4,898,734	2/6/90	Mathiowitz et al.	424	426
FOREIGN PATENT DOCUMENTS							
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/MA/	HR	WO 93/05819	1/4/93	PCT	X		
↓	HS	WO 93/06869	4/15/93	PCT	X		
	HT	WO 93/20802	10/28/93	PCT	X		
	HU	SHO 63-60943	3/17/88	Japan	X		
/MA/	HV	0 554 213 A1	8/4/93	EPO	X		
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U. S. PATENT DOCUMENTS						
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/MA/	HW	4,776,991	10/11/88	Farmer et al.	264	4.3
↓	HX	5,088,499	02/18/92	Unger	128	662.2
↓	HY	5,194,266	03/16/93	Abra et al.	424	450
↓	HZ	5,198,225	03/30/93	Meybeck et al.	424	450
↓	IA	4,927,623	5/22/90	Long, Jr.	424	5
↓	IB	4,442,843	4/17/84	Rasor et al.	128	660
↓	IC	4,681,119	7/21/87	Rasor et al.	128	660
↓	ID	5,049,388	9/17/91	Knight et al.	424	450
↓	IE	4,315,514	2/16/82	Drewes et al.	128	653
/MA/	IF	4,569,836	2/11/86	Gordon	424	1/1
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/MA/	IG	0 314 764 B1	9/9/92	EPO	X	
↓	IH	0 458 745 A1	11/27/91	EPO	X	
↓	II	0 216 730	1/23/91	EPO	X	
↓	IJ	WO 93/13809	7/22/93	PCT	X	
/MA/						
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Examiner Initial		Document No.	Date	Name	Class	Subclass
/MA/	IK	4,426,330	1/17/84	Sears	260	403
	IL	4,534,899	8/13/85	Sears	260	403
	IM	5,271,928	12/21/93	Schneider et al.	424	9
	IN	4,229,360	10/21/80	Schneider et al.	260	403
	IO	B1 4,229,360	11/5/91	Schneider et al.	260	403
	IP	4,089,801	5/16/78	Schneider	252	316
	IQ	4,224,179	9/23/80	Schneider	252	316
	IR	4,987,154	1/22/91	Long, Jr.	514	772
	IS	5,219,538	6/15/93	Henderson et al.	428	402.2
/MA/	IT	5,316,771	5/31/94	Barenholz et al.	424	450

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/MA/	IU	WO 92/10166	6/25/92	PCT	X	
/MA/	IV	0 324 938	7/26/89	EPO	X	
/MA/	IW	0 231 091	8/5/87	EPO	X	

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/MA/	IX	5,195,520	3/23/93	Schlieff et al.	128	660.02	
↓	IY	3,873,564	3/25/75	Schneider et al.	260	309.6	
↓	IZ	5,045,304	9/3/91	Schneider et al.	424	9	
↓	JA	4,877,561	10/31/89	Iga et al.	264	4.3	
↓	JB	5,213,804	5/25/93	Martin et al.	424	450	
↓	JC	4,895,719	1/23/90	Radhakrishnan	424	45	
↓	JD	5,008,050	4/16/91	Cullis et al.	264	4.3	
↓	JE	5,114,703	5/19/92	Wolf et al.	424	5	
↓	JF	5,013,556	5/7/91	Woodle et al.	424	450	
/MA/	JG	5,000,960	3/19/91	Wallach	424	450	
FOREIGN PATENT DOCUMENTS							
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/MA/	JH	WO 92/17212	10/15/92	PCT	X		
↓	JI	WO 92/17213	10/15/92	PCT	X		
↓	JJ	WO 92/17436	10/15/92	PCT	X		
↓	JK	WO 92/21382	10/10/92	PCT	X		
/MA/	JL	WO 93/17718	9/16/93	PCT	X		
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Examiner Initial		Document No.	Date	Name	Class	Subclass
/MA/	JM	5,310,540	5/10/94	Giddey et al.	424	9
↓	JN	5,425,366	6/20/95	Reinhardt et al.	128	662.02
↓	JO	4,775,522	10/4/88	Clark, Jr.	424	9
↓	JP	4,731,239	3/15/88	Gordon	424	9
↓	JQ	5,350,571	9/27/94	Kaufman et al.	424	9
↓	JR	4,615,879	10/7/86	Runge et al.	424	9
↓	JS	5,380,519	1/10/95	Schneider et al.	424	9
↓	JT	5,393,524	2/28/95	Quay	424	9
↓	JU	5,196,183	3/23/93	Yudelso et al.	424	9
/MA/	JV	4,996,041	2/26/91	Arai et al.	424	9

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Examiner Initial		Document No.	Date	Country	Translation YES	NO
/MA/	JW	WO 94/16739	8/4/94	PCT	x	
↓	JX	WO 95/07072	3/16/95	PCT	Partial -claims only	
/MA/	JY	EP 0 077 752 B1	3/5/86	EP	Partial -claims only	

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/MA/	JZ	5,147,631	9/15/92	Glajch et al.	424	9
↓	KA	5,186,922	2/16/93	Shell et al.	128	654
↓	KB	4,428,924	1/31/84	Millington	424	4
↓	KC	5,413,774	5/9/95	Schneider et al.	424	9.51
↓	KD	5,409,688	4/25/95	Quay	424	9
↓	KE	5,410,516	4/25/95	Uhlendorf et al.	367	7
↓	KF	5,305,757	4/26/94	Unger et al.	128	662.02
↓	KG	5,334,381	8/2/94	Unger	424	9
↓	KH	5,123,414	6/23/92	Unger	128	654
/MA/	KI	5,433,204	7/18/95	Olson	128	661.08

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Examiner Initial		Document No.	Date	Country	Translation YES NO
/MA/	KJ	WO 90/04384	5/3/90	PCT	X
↓	KK	WO 94/09829	5/11/94	PCT	X
↓	KL	WO 94/21302	9/29/94	PCT	X
↓	KM	WO 91/12823	9/5/91	PCT	X
/MA/	KN	0 357 164 B1	10/23/91	EPO	Partial -claims only

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/MA/	KO	5,445,813	8/29/95	Schneider et al.	424	9.51	
↓	KP	5,141,738	8/25/92	Rasor et al.	424	2	
	KQ	4,981,692	1/1/91	Popescu et al.	424	422	
	KR	5,149,319	9/22/92	Unger	604	22	
	KS	5,209,720	5/11/93	Unger	604	22	
	KT	5,228,446	7/20/93	Unger et al.	128	662.02	
	KU	5,230,882	7/27/93	Unger	424	9	
	KV	5,352,435	10/4/94	Unger	424	9	
↓	KW	5,190,982	3/2/93	Erbel et al.	521	56	
/MA/	KX	5,137,928	8/11/92	Erbel et al.	521	56	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
/MA/	KY	0 320 433 A2	12/2/88	EPO	Abstract only		
↓	KZ	0 467 031 A2	5/13/91	EPO	X		
	LA	0 243 947	4/29/87	EPO	X		
↓	LB	WO 96/04018	2/15/96	PCT	X		
/MA/	LC	WO 96/09793	4/4/96	PCT	X		
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Examiner Initial		Document No.	Date	Name	Class	Subclass
/MA/	LD	5,205,287	4/27/93	Erbel et al.	128	632
↓	LE	5,470,582	11/28/95	Supersaxo et al.	424	489
↓	LF	5,529,766	6/25/96	Klaveness et al.	424	9.52
↓	LG	5,487,390	1/30/96	Cohen et al.	128	662.02
↓	LH	5,531,980	7/2/96	Schneider et al.	424	9.52
↓	LI	5,536,489	7/16/96	Lohrmann et al.	424	9.52
↓	LJ	5,536,490	7/16/96	Klaveness et al.	424	9.52
↓	LK	5,315,997	5/31/94	Widder et al.	128	653.3
↓	LL	5,469,854	11/28/95	Unger et al.	128	662.02
Consid. /MA/	LM	5,505,932	4/9/96	Grinstaff et al.	424	9.3

FOREIGN PATENT DOCUMENTS

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/MA/	LN	WO 95/06518	3/9/95	PCT	X	
↓	LO	EP 441,468 A2	8/14/91	EPO	X	
↓	LP	EP 357,163 A1	3/7/90	EPO	X	
↓	LQ	EP 0 727 225 A2	8/21/96	EPO	X	
/MA/	LR	WO 94/06477	03/31/94	PCT	X	
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Consid. /MA/	LS	5,540,909	7/30/96	Schutt	424	9.52
Consid. /MA/	LT	5,496,535	3/5/96	Kirkland	424	9.37
/MA/	LU	5,344,930	9/6/94	Riess et al.	544	84
↓	LV	5,560,364	10/1/96	Porter	128	662.02
	LW	5,562,893	10/08/96	Lohrmann	424	9.52
	LX	5,567,413	10/22/96	Klaveness et al.	424	9.51
	LY	5,567,414	10/22/96	Schneider et al.	424	9.52
	LZ	5,567,765	10/22/96	Moore et al.	524	801
/MA/	MA	5,552,133	09/03/96	Lambert et al.	424	9.52
FOREIGN PATENT DOCUMENTS						
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/MA/	MB	WO 95/23615	09/08/95	PCT	X	
↓	MC	62 286534	12/87	Japan	X (Abstract Only)	
	MD	1,044,680	10/66	Great Britain	X	
	ME	WO 96/36286	11/21/96	PCT	X	
/MA/	MF	WO 92/11873	7/23/92	PCT	X (Abstract Only)	
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U. S. PATENT DOCUMENTS						
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/MA/	MG	3,015,128	01/02/62	Sommerville et al.	18	2.6
↓	MH	3,594,326	07/20/71	Himmel et al.	252	316
	MI	3,732,172	05/08/73	Herbig et al.	252	316
	MJ	3,945,956	03/23/76	Garner	260	2.5B
	MK	4,108,806	08/22/78	Cohrs et al.	521	54
	ML	4,179,546	12/18/79	Garner et al.	521	56
	MM	4,420,442	12/13/83	Sands	264	13
	MN	4,421,562	12/20/83	Sands et al.	106	75
↓	MO	4,540,629	09/10/85	Sands et al.	428	402
/MA/	MP	4,549,892	10/29/85	Baker et al.	65	21.4
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation YES NO	
/MA/	MQ	WO 90/01952	3/8/90	PCT	X (Abstract Only)	
↓	MR	AU-B-30351/89	3/18/93	Australia	X	
	MS	WO 93/00933	01/21/93	PCT	X	
	MT	WO 94/28780	12/22/94	PCT	X	
↓	MU	WO 89/02464	03/23/89	PCT	X	
/MA/	MV	AU 641363	03/08/90	Australia	X	
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				Filing Date TBA	Group TBA	
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Examiner Initial		Document No.	Date	Name	Class	Subclass
/MA/	MW	5,019,370	05/28/91	Jay et al.	424	4
	MX	5,205,290	04/27/93	Unger	128	653.4
	MY	4,822,534	04/18/89	Lencki et al.	264	4.3
	MZ	3,293,114	12/20/66	Kenaga et al.	162	168
	NA	3,479,811	11/25/69	Walters	57	153
	NB	3,488,714	01/06/70	Walters et al.	161	161
	NC	3,615,972	10/26/71	Morehouse et al.	156	79
	ND	5,078,994	01/07/92	Nair et al.	424	501
	NE	4,138,383	02/06/79	Rembaum et al.	260	29.7H
	NF	4,789,501	12/06/88	Day et al.	252	645
/MA/	NG	3,960,583	06/01/76	Netting et al.	106	122
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Examiner Initial		Document No.	Date	Name	Class	Subclass
/MA/	NH	5,362,478	11/8/94	Desai et al.	424	9
	NI	5,281,408	1/25/94	Unger	424	4
	NJ	5,456,900	10/10/95	Unger	424	9.4
	NK	5,527,521	6/18/96	Unger	424	93
	NL	5,547,656	8/20/96	Unger	424	9.4
	NM	5,358,702	10/25/94	Unger	424	9
	NN	4,985,550	1/15/91	Charpiot et al.	536	18.4
	NO	5,498,421	3/12/96	Grinstaff et al.	424	450
	NP	4,993,415	2/19/91	Long	128	653 A
	NQ	5,573,751	11/12/96	Quay	424	9.52
/MA/	NR	5,606,973	03/04/97	Lambert et al.	128	662.02

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/MA/	NS	5,558,094	09/24/96	Quay	128	662.02
	NT	5,558,853	09/24/96	Quay	424	9.5
	NU	5,558,854	09/24/96	Quay	424	9.52
	NV	5,558,855	09/24/96	Quay	424	9.5
	NW	5,595,723	01/21/97	Quay	424	9.5
	NX	5,585,112	12/17/96	Unger et al.	424	450
	NY	5,556,610	09/17/96	Yan et al.	424	9.52
	NZ	5,578,292	11/25/96	Schneider et al.	424	9.51
	OA	4,933,121	06/12/90	Law et al.	264	4.3
	OB	5,315,998	05/31/96	Tachibana et al.	128	660.01
	OC	5,620,689	04/15/97	Allen et al.	424	178.1
	OD	5,643,553	07/01/97	Schneider et al.	424	9.52
	OE	5,502,094	03/26/96	Moore et al.	524	145
	OF	4,265,251	05/05/81	Tickner	128	660
/MA/	OG	5,354,549	10/11/94	Klaveness et al.	424	3

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/MA/	OH	5,501,863	03/26/96	Rössling et al.	424	489
	OI	5,605,673	02/25/97	Schutt et al.	424	9.51
	OJ	5,626,833	05/06/97	Schutt et al.	424	9.52
	OK	5,639,443	06/17/97	Schutt et al.	424	9.52
	OL	3,650,831	03/21/72	Jungermann et al.	134	27
	OM	3,968,203	07/06/76	Spitzer et al.	424	47
	ON	4,027,007	05/31/77	Messina	424	46
	OO	5,205,290	04/27/93	Unger	128	653.4
	OP	5,562,892	10/08/96	Kirk et al.	423	555
	OQ	5,276,145	01/04/94	Bottenstein	530	399
Consid.	OR	5,532,108	07/02/96	Volgelstein	435	240.2
/MA/	OS	5,539,094	07/23/96	Reed et al.	536	23.5
/MA/	OT	5,542,935	08/06/96	Unger et al.	604	190
Consid.	OU	5,558,092	09/24/96	Unger et al.	128	660.03
/MA/						

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Examiner Initial		Document No.	Date	Country	Translation YES NO
EXAMINER /Maury Audet/				DATE CONSIDERED 6/27/08	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MA/